

Safety Recommendation A-70-20

The National Transportation Safety Board (NTSB) issued Safety Recommendation A-70-20 to the Federal Aviation Administration on April 30, 1970, as a result of the NTSB's investigation of the January 15, 1970 aborted take-off of Western Air Lines flight 310 from Long Beach Airport in California. Western Air Lines, flight 310, a Boeing B-737, N-4518, was on a regularly scheduled passenger flight, when during its takeoff from the Long Beach Airport, the pilot aborted the takeoff run before obtaining v1 speed. The take-off was aborted because the electrical system master caution warning light came on when the speed of 105 knots was reached (v1 speed 120 knots). The aircraft went off the end of runway 25L, which is 5,418 feet long, across another 898 feet of overrun and an additional 189 feet into soft mud and grass. There was no damage to the aircraft and no injuries to passengers or crew. The runway surface was damp with no standing water at the time of the incident. The passengers were deplaned without further incident.

The text of Safety Recommendation A-70-20 is as follows:

To the Federal Aviation Administration: Investigation revealed that the aborted take-off followed incorrect reject take-off procedures. FAA's flight standards service were contacted by phone and asked to alert all operators of Boeing 737 by wire to strictly adhere to the Boeing emergency procedures for "rejected takeoff."

The following page describes more detailed information from the subject incident.

14 CFR Part 121 Scheduled operation of WESTERN AIR LINES INC

Aircraft: BOEING 737, registration: N4518W

| FILE URIES | DATE FLIGHT | LOCATION | AIRCRAFT DATA PILOT DATA | INJ F |
|---------------|---------------------|------------------|-----------------------------|----------|
| S M/N | PURPOSE | | | |
| 4-0005 | 70/1/15 | LONG BEACH,CALIF | BOEING 737 | CR- |
| 0 0 6 | SCHED DOM PASSG SRV | | AIRLINE TRANSPORT, AGE | |
| | TIME - 0805 | | N4518W | PX- |
| 0 0 25 | | | UNK/NR, 6417 TOTAL HOURS, | |
| | | | DAMAGE-NONE | OT- |
| 0 0 0 | | | 674 IN TYPE, INSTRUMENT | |

RATED.

CLASSIFIED AS INCIDENT

NAME OF AIRPORT - LONG BEACH

OPERATOR - WESTERN AIR LINES,INC.

DEPARTURE POINT

INTENDED DESTINATION

LONG BEACH,CALIF

UNKNOWN/NOT REPORTED

TYPE OF ACCIDENT

PHASE OF OPERATION

MISCELLANEOUS

TAKEOFF: RUN

COLLIDED WITH: OBJECT

TAKEOFF: ABORTED

PROBABLE CAUSE(S)

PILOT IN COMMAND -

FAILED TO FOLLOW APPROVED PROCEDURES,DIRECTIVES,ETC.

REMARKS-

MASTER CTN WRNG LGT ON BFR V1.FULL SPEED BRAKES MAX WHEEL BRAKES NOT ACTVTD BFR REVERSE PWR USED.